



Gulf of Mexico Harmful Algal Bloom Bulletin

Region: Texas

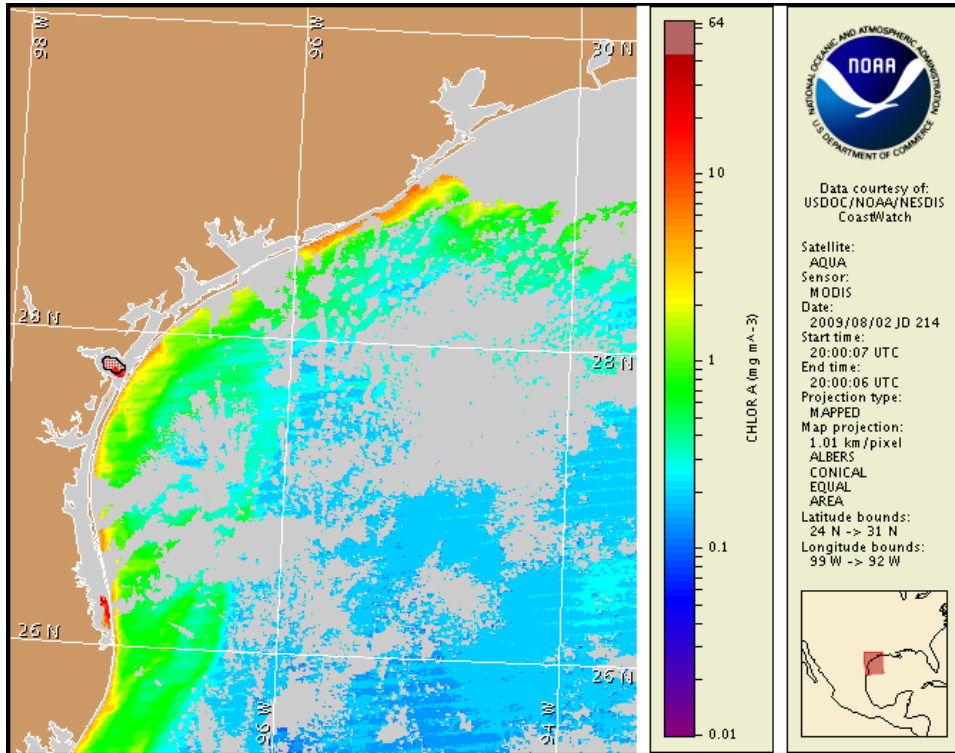
4 August 2009

NOAA Ocean Service

NOAA Satellites and Information Service

NOAA National Weather Service

Last bulletin: July 21, 2009



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from July 25 to August 3 shown as red (high), orange (medium), yellow (low b), brown (low a), blue (very low b), purple (very low a), pink (present), and green (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the HABFS bulletin guide:

http://tidesandcurrents.noaa.gov/hab/habfs_bulletin_guide.pdf

Please note the following restrictions on all SeaWiFS imagery derived from CoastWatch.

1. Data are restricted to civil marine applications only; i.e. federal, state, and local government use/distribution is permitted.
2. Image products may be published in newspapers. Any other publishing arrangements must receive GeoEye approval via the CoastWatch Program.

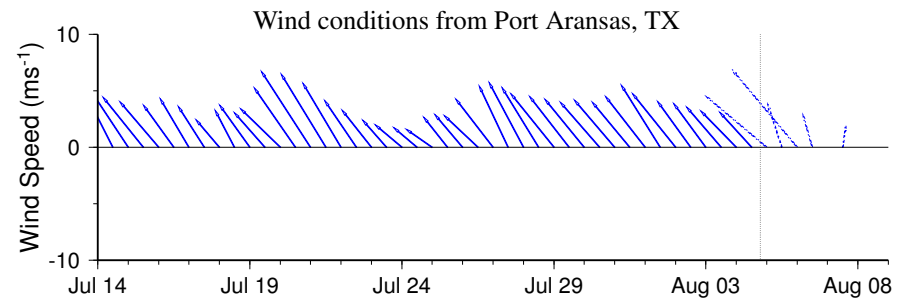
Conditions Report

Texas Parks and Wildlife has received unconfirmed reports of respiratory irritation, off-shore of South Padre Island. This is under investigation.

Analysis

A large high chlorophyll feature has been observed in imagery which originates in Mexico and extends about 30 km offshore South Padre Island. In addition, a small feature is observed at the coast at approximately 97d18'12"W and 26d40'07"N (yellow in anomaly). Although MODIS imagery (shown here) is obscured by clouds, SeaWiFS imagery indicates that the feature may stretch from 26d51'26"N to 26d18'23"N. As unconfirmed reports of respiratory irritation were reported offshore South Padre Island over the weekend, sampling is recommended.

-Tomlinson, Wynne

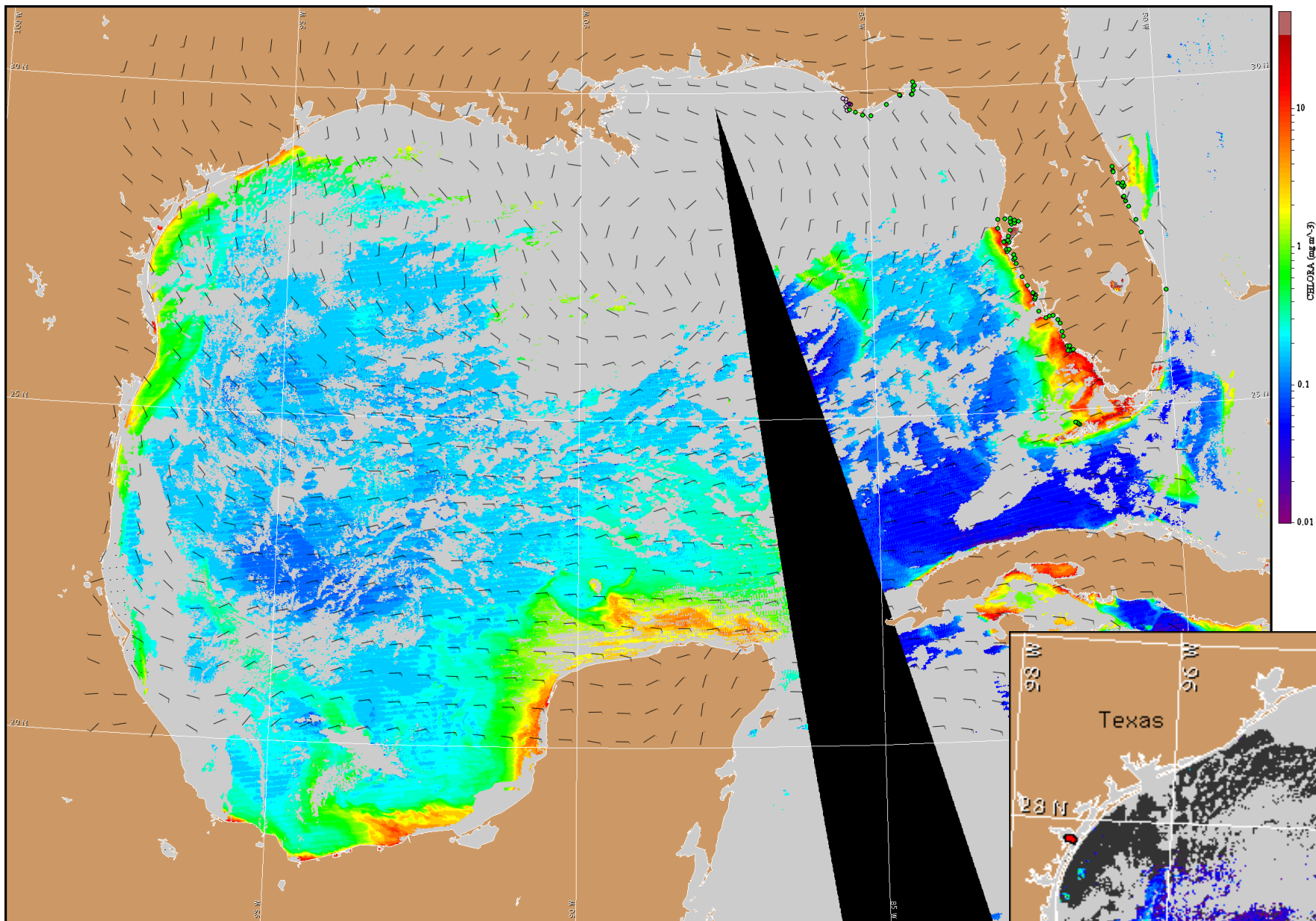


Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts. Wind observation and forecast data provided by NOAA's National Weather Service (NWS).

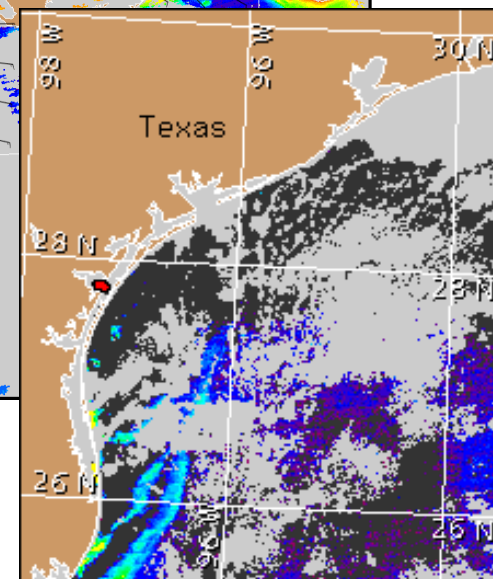
Wind Analysis

Moderate (15 knots) southeasterly winds are expected to continue through Saturday.

To see previous bulletins and forecasts for other Harmful Algal Bloom Bulletin regions, visit the NOAA CoastWatch bulletin archive: http://coastwatch.noaa.gov/hab/bulletins_ns.htm



Satellite chlorophyll image and forecast winds for August 5, 2009 12Z with Cell concentration sampling data from July 25 to August 3 shown as red (high), orange (medium), yellow (low b), brown (low a), blue(very low b), purple (very low a), pink (present), and green (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the HABFS bulletin guide:
http://tidesandcurrents.noaa.gov/hab/habfs_bulletin_guide.pdf



Verified and suspected HAB areas shown in red. Other areas of high chlorophyll concentration shown in yellow (see p. 1 analysis for interpretation).